

International Association of Aquatic and Marine  
Science Libraries and Information Centers

# newsletter

Number Fifty  
March 1994

**20th ANNUAL IAMSLIC CONFERENCE: October 9-13, 1994**  
**Honolulu, Hawaii**

## *Building Global Connections*

The 20th Annual IAMSLIC conference will be held in Honolulu, Hawaii, from Sunday night October 9 through Thursday, October 13, 1994. The Conference will continue the traditional format of single sessions for oral presentations. There will not be a pre-conference workshop. We are also soliciting posters, information, and databases to be displayed in the exhibits area. Please note that online demonstrations will not be possible from the conference meeting room!! Calls from the exhibit room must be placed through the hotel operator which may also make online demonstrations difficult.

*Building Global Connections*, the conference theme, is intended to focus our attention on expanding international participation by encouraging additional international membership, through facilitating networking within specific regions, by building international directories of aquatic and marine scientists and libraries, and by examining global telecommunications.

The conference will also focus our attention on expanding aquatic and marine science subject knowledge by relating subjects to the information needs of researchers, by

communication with data managers who construct our data sets, by examining multi-media issues, professional liabilities, and professional development. The theme and issues were outlined in the December 1993 IAMSLIC Newsletter No.49 (or contact the organizer for a copy).

You are cordially invited to submit an abstract of a paper or poster to be presented at the conference. Please send all submissions to the conference organizer, Eleanor Uhlinger. Submissions based on any aspect relating to the Conference Theme will be considered.

Deadlines: May 1, 1994, is the deadline for receipt of abstract for papers or posters. By June 15, 1994 you will be notified of acceptance of proposed paper or poster. Notification will include Instructions to Authors for preparation of manuscripts for the IAMSLIC Proceedings. November 1, 1994 is the deadline for submission of completed manuscripts.

Conference hosts for this year are David Coleman, University of Hawaii, and Sandra Abbott-Stout, National Marine Fisheries Service, Honolulu Laboratory.

## IN THIS ISSUE:

IAMSLIC Business	3
Regional & International News	3
Conferences & Meetings	4
Network & Computer News	6
Publications & Reviews	11
Notices & Requests	13

## IAMSLIC '94 - CALL FOR PAPERS

Deadline for proposals for papers and poster sessions is May 1, 1994. Send proposals to the conference organizer:

Eleanor Uhlinger  
Bodega Marine Laboratory Library  
PO Box 247, Bodega Bay, CA 94923-0247 USA  
Telephone: (707) 875-2015  
Fax: (707) 875-2089  
esuhlinger@ucdavis.edu.

## 1993/1994 IAMSLIC OFFICERS

### PRESIDENT

Elizabeth A. Fuseler  
Head, Science & Technology Division  
Colorado State University Libraries  
215 Morgan Library  
Fort Collins, CO 80523 USA  
(303)491-1876  
Internet: bfuseler@vines.colostate.edu

### PRESIDENT-ELECT 1994-95 (Conference Convenor for IAMSLIC'94 to be held in Honolulu, Hawaii USA)

Eleanor Uhlinger, Librarian  
Bodega Marine Laboratory Library  
University of California at Davis  
P.O. Box 247  
Bodega Bay, CA 94923-0247 USA  
(707)875-2015  
Internet: ucdtml@ucdavis.edu  
BITNET: ucdtml@ucdavis.bitnet

### PRESIDENT-ELECT 1995-96 (Conference Convenor for IAMSLIC'95 to be held in Southampton, UK)

Natalie Wiest, Library Director  
Jack K. Williams Library  
Texas A&M University at Galveston  
P.O. Box 1675  
Galveston, TX 77553-1675 USA  
Omnet/Sciencenet: TAG.LIBRARY  
Internet: wiest\_n@tamug.tamu.edu  
BITNET: wiest\_n@tamug.tamu.bitnet

### SECRETARY

Pam Olson  
Pacific Biological Station Library  
Canadian Department of Fisheries and Oceans  
Nanaimo, British Columbia, Canada V9R5K6  
Internet: library@pbs.dfo.ca

### TREASURER

Stephanie C. Haas, Librarian  
Marston Science Library  
University of Florida  
Gainesville, FL 32611-2840 USA  
Internet: stehaas@nervm.nerdc.ufl.edu  
BITNET: stehaas@uffsc.bitnet

### Communications to IAMSLIC should be directed to:

Kristen L. Metzger  
Harbor Branch Oceanographic Institution  
5600 U.S. 1 North  
Ft. Pierce, Florida 34946 USA  
Tel (407)465-2400, Ext. 201  
Fax (407)465-2446  
Internet: harbomet@class.org

The IAMSLIC newsletter is published quarterly, in March, June, September and December.

IAMSLIC assumes no responsibility for the statements and opinions advanced by contributions to IAMSLIC publications. Editorial views do not necessarily represent the official position of the association.

### EDITOR:

Richard A. Eissinger  
Coordinator of Instructional Resources  
Sterling C. Evans Library  
Texas A&M University  
College Station, Texas  
77843-5000 USA  
Tel (409)862-1060  
Fax (409)845-6238  
Internet: iamslic@tamvm1.tamu.edu

### CONTRIBUTING EDITOR:

Peter Brueggeman  
Public Services Librarian  
Scripps Institution of Oceanography  
Library 0175C  
University of California, San Diego  
9500 Gilman Drive  
La Jolla, CA 92093-0175 USA  
Tel (619)534-1230  
Omnet/Sciencenet: SCRIPPS.LIBRARY  
Internet: pbrueggeman@ucsd.edu

## IAMSLIC LISTSERV

### IAMSLIC@UCSD.EDU

The IAMSLIC@UCSD Conference is an international email conference for discussion of information-related topics in freshwater, marine, and brackishwater sciences. To subscribe to the IAMSLIC@UCSD Conference, send the following email message to:

listserv@ucsd.edu or listserv@ucsd.bitnet:

subscribe <your Internet or Bitnet email address> iamslic

To signoff the IAMSLIC@UCSD Conference, send the following email message to:

listserv@ucsd.edu or listserv@ucsd.bitnet

delete <your Internet or Bitnet email address> iamslic

To send a message to the IAMSLIC@UCSD Conference (not to signup or signoff), send your email message to:

iamslic@ucsd.edu or iamslic@ucsd.bitnet



## IAMS LIC BUSINESS

### IAMS LIC CONFERENCE ATTENDANCE STATISTICS

Following are statistics on IAMS LIC Annual conferences for the last four years:

**1993 Conference in Washington, DC, USA:** At last years' conference 14 countries were represented with 85 attendees: US 67, Russia 2, Philippines 2, Argentina 2, UK 3, One each for Italy, Iceland, Cote D'Ivoire, Japan, Canada, France, Fiji, Australia, Switzerland.

**1992 Conference in Bremerhaven, Germany:** 80 participants with 27 countries represented. US 29, Germany 10, France 7, Canada 3, Denmark 3, UK 5, Kenya 2, Poland 2. One each for Australian, Portugal, Sweden, Italy, Greece, Senegal, Philippines, Fiji, Netherlands, Norway, Sweden, Morocco, Trinidad & Tobago, Iceland, Spain, Malta, Belgium, Ireland.

**1991 in Galveston, Texas, USA:** 80 attended with 13 countries represented.

**1990 in Seattle, Washington, USA:** 71 attended with 11 countries present.

### IAMS LIC FAQ

An IAMS LIC FAQ (Frequently Asked Questions) has been developed and placed on the listserv by Peter Brueggeman. This is retrievable by sending the message:

**faq iamslic to listserv@ucsd.edu**

The address "listserv@ucsd.edu" is the address people use to subscribe and signoff the IAMS LIC@UCSD conference. Common listserv practice is to have a frequently asked questions (FAQ) posted for a list, e.g. on the listserv IAMS LIC@UCSD.EDU. One learns of standard listserv practices by sending the message "help" to any listserv including listserv@ucsd.edu.

This IAMS LIC FAQ should help to give additional information to any potential new members for IAMS LIC who might use the standard listserv FAQ feature.

## REGIONAL & INTERNATIONAL NEWS

### ASIPA REPORT WEST AFRICA REGIONAL GROUP

The West Africa Regional Group is constituted by the different members of ASIPA (Association des Specialistes de l'Information travaillant dans le secteur de la Peches en Afrique). ASIPA Was created in 1989 during the regional symposium of fisheries information in West and Central Africa (Dakar, June 5-7 1989). The participants included :

- Researchers
- Decision-makers and planners
- Librarians and documentalists
- Extension officers and fisheries systems managers.

ASIPA, now comprises 15 institutions from:

- |                 |                      |
|-----------------|----------------------|
| • Benin         | • Guinea Bissau      |
| • Burkina faso  | • Mauritania         |
| • Cabo verde    | • Niger and Cameroon |
| • Cote d'Ivoire | • Senegal            |
| • Gambia        | • Togo               |

#### Objectives :

ASIPA objectives overlap with the IAMS LIC ones. ASIPA enables librarians to exchange experiences and overcome the lack of coordination between the structures that collect, process, and disseminate information information by establishing a regional network. The information center of the CRODT has been chosen as a clearing house.

#### Project for the creation of an aquaculture and fisheries documentation network for West Africa:

All our activities are now focused on this project. Details have been sent to some donors but we are still waiting for funding. The objectives of this project are to :

- Better respond to the needs of its users by supplying bibliographies and basic information.
- Reinforce cooperation between subregional and international scientific communities.
- Promote documents exchange.
- Collect and disseminate the results of research by subregional scientists in Africa and throughout the world.
- Edit and distribute various documents in the field of aquatic and marine sciences in the subregion.

However, to attend these objectives our documentation centres need to be supported by international organizations and decision makers so that some computer equipment and the training of libraries in CDS-ISIS software, aquatic sciences, English, scientific publishing and ASFIS input data sheet is provided.

(ASIPA continued)

#### ASIPA Services:

Our aim is to provide various services such as :

- A research information service using our regional central database located at the CRODT, ASFA and current contents on CD ROM.
- A directory of scientific and technical reviews in the subregion.
- A directory of scientists with their specialties and themes of research in the subregion.
- A bibliography of studies made on fisheries and aquaculture in West Africa.
- A Catalog of research programs on fisheries and aquaculture in West Africa.

**Florent Diouf**

West Africa Regional Group representative

fdiouf@crodt.orstom.fr

#### ICLARM NEWS

Linda Temprosa, Chief Librarian at ICLARM, notes that ICLARM is now an ASFA Input Center! Last November, ICLARM agreed to the invitation of the FAO Fisheries Department (Mr. David James, Principal Fishery Research Adviser) to take up the inputting of ICLARM publications into the Aquatic Sciences and Fisheries Abstracts (ASFA). Consequently, becoming an input center enabled ICLARM, upon FAO's invitation also, to join the ASFA Advisory Board.

#### BODEGA MARINE LABORATORY EXPANSION

The BODEGA MARINE LABORATORY (University of California, Davis) has started construction of a new building to expand and improve teaching and research facilities in Bodega Bay, CA. The 24,000 square foot addition, designed by the architectural firm of Roland/Miller/Associates of Santa Rosa, CA, features a 4,500 square foot library; 120 seat lecture hall; faculty, graduate student, and administrative offices; computer facility; and two classrooms. HA Ekelin Associates of Salinas, CA, is expected to complete construction of the \$3.5 million project in January 1995. Construction is being funded by revenue bonds approved by California voters in 1992.

Bodega Marine Laboratory has embarked on a \$1 million fund-raising campaign to supplement the building budget shortfall in order to construct and furnish the building as designed without modifications. Once the new building is occupied, vacated office spaces in existing buildings will be restored to their original function as laboratory spaces, thus increasing the space available to researchers.

**Eleanor S. Uhlinger**  
esuhlinger@ucdavis.edu

## CONFERENCES & MEETINGS

### 4TH ANNUAL SAIL WORKSHOP

"Information Resources in the Southeast" is the theme for SAIL '94, to be held May 4-6, 1994, at the Ramada Inn Beach Resort in Panama City Beach, Florida. A program filled with speakers on various aspects of informational and research topics is planned, as well as sessions devoted to informal networking and experience sharing.

The workshop will begin with a pre-conference social on Tuesday, May 3 from 8:00 to 10:00 pm at the Ramada.

Programs on Wednesday, May 4: The Gulf of Mexico Program: Preserving America's Sea. Wetlands Research, Libraries and Information Transfer at the U.S. Army Corps of Engineers Marine Mammal Stranding Network Copyright Issues for Librarians Tour of the National Marine Fisheries Service, Panama City Laboratory.

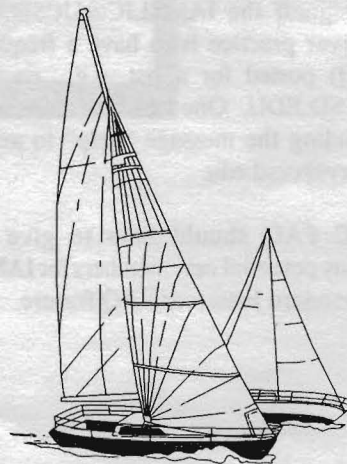
Thursday, May 5: The International Shark Attack File An analysis of Estuarine and Coastal Journal Citations CMED: the Center for Marine and Estuarine Disease Research Oil Spill Cleanups Using Bioremediation The Mississippi River: It's Ecology and Impact on the Gulf of Mexico Multi-Type Library Networks, Database Reviews Aquaculture in the Southeast SAIL Round Table Discussions, a T-Shirt exchange, and an evening banquet.

On the final day, Friday, May 6, the sessions conclude with: Jobbers: how they operate, and why are journals and books so expensive? Serials Update SAIL business meeting, and an optional field trip to Shell Island.

Registration fee is \$35.00, which includes the banquet on Thursday. For more information, questions, or registration forms, contact:

**Rosalie Shaffer**  
National Marine Fisheries  
Service Library  
Tel: 904/234-6541  
Fax: 904/235-3559

or  
**Sue Ann Lewandowski**  
LUMCON Library  
Tel: (504) 851-2875  
Fax: (504) 851-2874





## IAMS LIC 20TH CONFERENCE HOTEL INFORMATION

Conference Dates are October 9-13, 1994. Special room rates are available from October 8-16, 1994. Rates for single or double are \$108/day; triple at \$128/day. All room rates subject to state tax of 4.17% plus hotel room tax of 5%. Reservations must be received no later than September 8, 1994 to receive discounted rates. Reservations after that date will be on space available basis.

Complete conference registration information and hotel reservation forms will be mailed out in June 1994, along with a draft of the conference agenda.

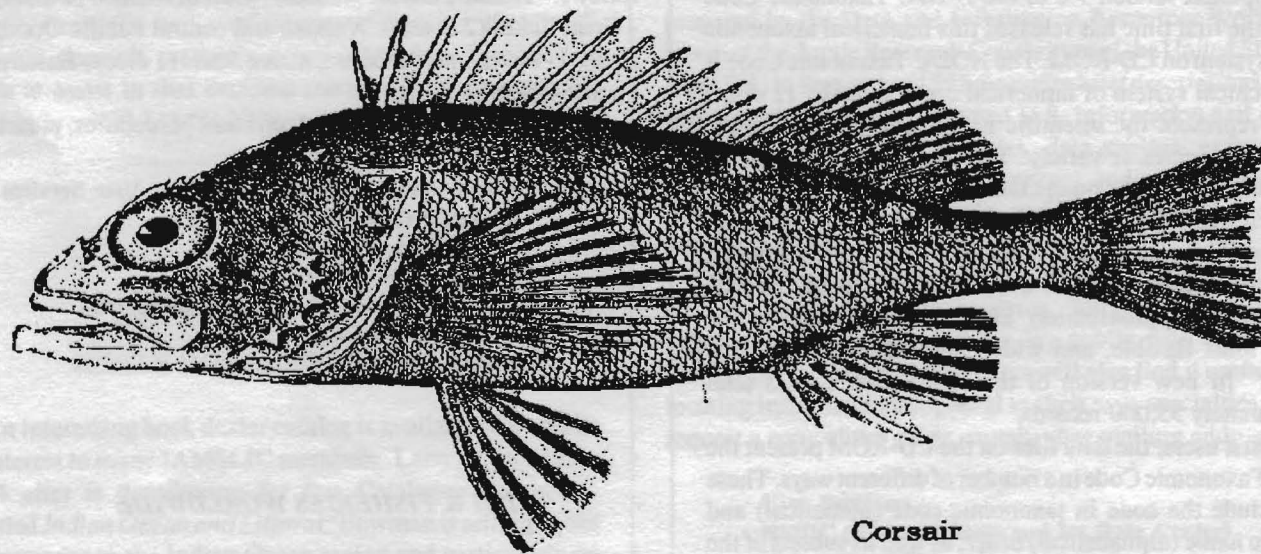
These special room rates are at the:

**Hawaiian Regent Hotel**  
**Waikiki Beach**  
2552 Kalakaua Ave.  
Honolulu, Hawaii 96815-3699.  
Phone 808-922-6611  
Fax 808-921-5255; Telex RCA 8700  
Cable HAWNREGENT  
Toll free from U.S. or Canada 800-367-5370

## CYAMUS ANNUAL MEETING

The Cyamus Regional Group of IAMS LIC held its annual meeting at the Friday Harbor Laboratories, March 11-12, 1994. For those of you who don't know, the Labs are located on San Juan Island, off the coast of Washington State.

Information on the outcome of the meeting will be reported in the June Newsletter.



**Corsair**

## NETWORK & COMPUTER NEWS

### CD-ROM

#### ARCTIC AND ANTARCTIC DISSERTATIONS

"Arctic and Antarctic" dissertations are now included in the COLD CLIMATE RELATED STUDIES database produced by Arctic Centre. The database includes research abstracts produced at Kola Science Centre and cold climate research in Finland too. If you are interested in using this database or other databases (Arctic Institutes, Arctic Experts in Finland and in Kola area, Russia) please contact:

**Mrs. Liisa Kurppa Arctic Centre**  
**Internet e-mail: [lkurppa@levi.urova.fi](mailto:lkurppa@levi.urova.fi)**

The Arctic Center reports that databases are updated every day and that new databases will be added. Examples noted were forthcoming Arctic congresses, International Geosphere Biosphere Program, a study for Global Changes, and the Directory of Polar and Cold Regions Library Resources. The charge for using the databases is 500 FIM/year.

#### NODC TAXONOMIC CODE ON CD-ROM

The U.S. National Oceanographic Data Center (NODC) has completed version 7.0 of the NODC Taxonomic Code and for the first time has released this numerical taxonomic coding system on CD-ROM. The NODC Taxonomic Code is a hierarchical system of numerical codes of up to 12 digits used to represent the scientific names of organisms to the level of subspecies or variety. The Code links the Linnean system of biological nomenclature to a numerical schema that facilitates computerized data storage and retrieval. Developed in cooperation with the U.S. Environmental Protection Agency and other U.S. Federal agencies, the code now contains approximately 206,000 records and is the largest, most flexible, and widely used taxonomic coding scheme. In new version of the code, plant names total approximately 55,000 records.

To assist users, the data files on the CD-ROM present the NODC Taxonomic Code in a number of different ways. These files include the code in taxonomic code (numerical) and scientific name (alphabetical) order, as well as subsets of the code and other versions modified for special uses and applications. In one of these special versions, the entire NODC Taxonomic Code has been divided into 41 files, each of which is small enough to be copied to a high density diskette. Each file contains members of a single major group of organisms (e.g., protozoans, fishes, birds) or several different groups of more-or-less closely related organisms. Some of the larger taxonomic groups are divided among

several files. For example, the Magnoliophyta are divided into three files, and the Mollusca into two files. The CD-ROM also contains a READ.ME file giving general information about the NODC Taxonomic Code, and the file FORMAT.TAX that presents the record layout of version 7.0 of the NODC Taxonomic Code.

[For order information see the following article.]

#### NOAA ENVIRONMENTAL BUOY DATA

Over 7.9 gigabytes of wind, wave, and other marine data collected by the NOAA National Data Buoy Center (NDBC) are now available for the first time on CD-ROM. The NOAA Marine Environmental Buoy Database holds data from NDBC moored buoys and from C-MAN (Coastal-Marine Automated Network) stations located on piers, offshore towers, lighthouses, and beaches. Parameters reported by both buoys and C-MAN stations include air temperature and pressure, wind speed and direction, wind gust, and sea surface temperature. The buoys and a few C-MAN stations located on offshore towers also report wave data, usually including wave height, wave period, and wave spectra. Since the late 1980s some buoys have reported directional wave spectra.

This set of 14 CD-ROMs holds all data from the National Oceanographic Data Center archive of NOAA buoy and C-MAN station data through July 1992. The earliest buoy data are from October 1972, and the earliest C-MAN data are from January 1985. The data are in ASCII format, and files for each moored buoy or C-MAN station are arranged in directories by their station identifier. Each file contains one month of data. The data are organized by ocean area as follows: - Atlantic Ocean (4 discs) - Gulf of Mexico (2 discs) - Great Lakes (2 discs) - Western and central Pacific Ocean (1 disc) - North Pacific Ocean, above 50°N (1 disc) - Eastern Pacific Ocean (4 discs).

For information on costs and payment procedures, please contact:

**National Oceanographic Data Center User Services**  
**Branch, NOAA/NESDIS E/OC21**  
**1825 Connecticut Avenue, NW**  
**Washington, DC 20235**  
**Telephone: 202-606-4549 Fax: 202-606-4586.**  
**Omnet: NODC.WDCA**  
**Internet: [services@nodc.noaa.gov](mailto:services@nodc.noaa.gov)**

#### FISH & FISHERIES WORLDWIDE

National Information Services Corporation (NISC) has announced the publication of a CD-ROM which specifically addresses the world's literature on fish and fisheries. This collection of bibliographic databases from around the world features citations and abstracts on fish and related literature. *Fish & Fisheries Worldwide* provides access to over 145,000 bibliographic citations on fish and fish-related topics. This reference tool combines the database equivalent of the U.S.



Fish and Wildlife Service's print publication *Fisheries Review* with the FISHLIT database from the JLB Smith Institute of Ichthyology at Rhodes University in South Africa, as well as the entire AQUACULTURE file produced by the National Oceanic & Atmospheric Administration (NOAA), and *FISH HEALTH NEWS* abstracts from the U.S. National Fisheries Research Center at Leetown, WV.

There is extensive keyword indexing to offer flexible subject searches. Searches can be performed on all databases simultaneously, individually, or in groups specified by the user. You may query by species or geographic identifiers which span the globe on a broad, regional basis or narrow your search to a specific locality.

**SUBSCRIPTION INFORMATION:** Title: *Fish & Fisheries Worldwide*. Coverage: 1971 - Present (Year range varies for each database). Features: Standard NISC DISC User Interface and context sensitive help, Novice, Advanced and Expert Search Modes for bibliographic retrieval, powerful search software with full Boolean, proximity and field specific retrieval capabilities.

System: IBM PC/XT/AT, PS/2 or compatible; any DOS compatible local area network (LAN); 512k RAM, any CD-ROM drive with MS-DOS CD-ROM Extensions, Monochrome or Color Monitor Pricing: \$695.00 USD, Annual Subscription, Semi-Annual Updates. Price subject to change; Shipping & Handling - \$16.00 U.S., \$30.00 outside U.S.

LAN Info: 2-10 simultaneous users: base price + 50% 3 11-20: base + 100% 3 21-35: base + 150%

To Purchase: NISC USA, Tel: (410) 243-0797, Fax: (410) 243-0982 License Info: The Fish & Fisheries Worldwide is available on an annual subscription basis only, and each disc must be returned either on receipt of an update or on the cancellation of a subscription. This NISC DISC is for use through a license agreement and is not for sale.

## INTERNET

### ACCESSING THE CYAMUS UNION LIST OF SERIALS

Some of the instructions for accessing the Cyamus Union List of Serials presented in an article in the December Newsletter were slightly misleading. Additional information is offered here to clarify and expand on the instructions for accessing the list.

There are actually several options for connecting to the system, depending on the nature of your Internet connection and which of the various resources you wish to use. The union list is mounted on the same computer that hosts the InfoSlug Gopher information system at the University of California, Santa Cruz, so the primary means of access is through Gopher. For those who have the Internet Gopher client software mounted on their personal computer or on an institutional machine, you can "point" it at the main InfoSlug Gopher server by specifying the server's Internet address

when you start up the Gopher client. It is important to note that the InfoSlug server's address is **gopher.ucsc.edu** (not **infoslug.ucsc.edu** as reported in the Newsletter). Once you are connected to the top level InfoSlug menu, the union list is located by following the menu to:

#### The Library

-- Other Libraries

-- Marine and Aquatic Sciences Serials Lists.

For those who do not have an Internet Gopher client, or for those who want a shortcut directly to the union lists, you may use telnet to connect to that portion of the InfoSlug system. The instructions are correct as given in the Newsletter:

telnet to **scilibx.ucsc.edu**

login as **iamslic** (vt100 terminal emulation)

This will take you directly to the Marine and Aquatic Sciences Serials Lists directory, but will not let you look at the rest of the InfoSlug menus. As was recommended in the Newsletter, be sure to read the "overview" for instructions on how to search the union list database if you are not already familiar with the peculiarities of the user interface.

If you are comfortable with the user interface and only wish to search the union list database, as opposed to using any of the online catalog connections listed in the Marine and Aquatic Sciences Serials Lists directory, you can make an even more direct connection:

telnet to **scilibx.ucsc.edu**

login as **cy-list** (vt100 terminal emulation)

I don't recommend this unless you have used the Pixtex interface frequently enough to not get trapped by its idiosyncracies. Finally, if any of you are running Gopher or Worldwide Web servers, you can add a link to the union list directory with the following information:

Type=1+ Name=Marine and Aquatic Sciences  
Serials Lists

Path=1/The Library/Other Libraries/Marine and  
Aquatic Sciences Serials Lists

Host=gopher.ucsc.edu Port=70

URL: gopher://gopher.ucsc.edu:70/11/The Library/  
Other Libraries/Marine and Aquatic Sciences  
Serials Lists

Please feel free to contact me if you have any further questions regarding this rather ambiguous set of options.

Steve Watkins

watkins@scilibx.ucsc.edu

## ENVIRONMENTAL INTERNET GUIDE

"Guide to Environmental Resources on the Internet" is available by anonymous ftp from:

host: **una.hh.lib.umich.edu**  
 path: **/inetdirsstacks**  
 file: **environment:murphybriggs**

by gopher:

gopher to **una.hh.lib.umich.edu**  
 in menu **inetdirs Clearinghouse of Subject-Oriented Internet Resource Guides**

by URL: WWW/Mosaic:

gopher://**una.hh.lib.umich.edu/00/**  
**inetdirsstacks/environment: murphybriggs**

For questions or additional information for future updates, contact:

**murphyt@sils.umich.edu** or **cbriggs@sils.umich.edu**

## HOTLINE CLIMATE CHANGE NEWS

Announcing HOTLINE, an occasional newsletter from the US Climate Action Network dedicated to updates and information on climate change science and policy! HOTLINE will include information on climate change science, as well as updates on current events: from local initiatives in the United States, to international treaty negotiations.

HOTLINE is intended to inform scientists, local activists and organizations about the science surrounding the potential threat of climate change, and current policy efforts to avoid this threat.

HOTLINE is distributed in both text and electronic formats. The electronic edition is available in the conference <**climate.news**> on the APC networks, the Usenet newsgroup **sci.environment**, or by electronic mail. It is also available via anonymous FTP from **igc.apc.org (192.82.108.1)**, subdirectory **pub/ECIX**. The first issue (27K) is available now - ftp filename is **headline0194**. HOTLINE is published by the US Climate Action Network (US CAN). The Network is the focal point for national and international global warming advocacy and information by US based environmental organizations, and is linked to an international network of like-minded, citizen-based organizations around the world. Through its office in Washington, DC the US CAN acts as a clearinghouse for environmental activists on climate change issues, and helps coordinate research and advocacy efforts.

For more information about how to obtain HOTLINE electronically, please contact **larris@igc.apc.org**. For further information or questions about HOTLINE or the US Climate Action Network, contact the US Climate Action Network, 1350 New York Ave., NW Suite 300, Washington, D.C. 20005, email **uscan@igc.org**.

## AQUACULTURE REFERENCE ON INTERNET

The Aquaculture Information Center at the National Agricultural Library now has a generic Internet address which is monitored regularly to answer reference requests. The internet address is:

**aic@nalusda.gov**

If you have questions, please contact:

**Eileen McVey , Reference Staff**  
**Aquaculture Information Center**  
**National Agricultural Library**  
**10301 Baltimore Blvd.**  
**Beltsville, MD 20705-2351**  
**Phone: (301) 504-5558**  
**FAX: (301) 504-6409**  
**Internet: aic@nalusda.gov**

## SEA GRANT ABSTRACTS ONLINE

Susan S. Berteaux at the Woods Hole Oceanographic Institution Document Library (**sberteaux@whoi.edu**) reported recently that she has been testing the Sea Grant Abstracts online system for Terry Seldon and providing some feedback to him. Although the system is "under development", it can be searched. Terry wants to impress upon any users that this is still considered a "pilot project that has some glitches. They will be moving out of SQL and to VERONICA/ARCHIE within the next 4 weeks. In the meantime, he invites the IAMS LIC librarians to use the system.

To access:

**telnet ayeaye.orp.noaa.gov**  
**login: guest**  
**password: Hit ENTER Hit ENTER, again**  
**At the prompt: guest[#]> sgmis**

You will get a screen WARNING that you have accessed a government computer. Press ENTER to continue. The next screen is the SGMIS MENU. <SPACE> to the next menu, as listed:

**Exit ProjectInfo GrantInfo AbstractInfo Support**

Search tips:

- The <ENTER> key performs like a space or tab.
- After typing a search term the <ESC> key ENTERS/ sends your command.
- ^C (Ctrl-C) is the break/interrupt command.
- Enter an author's name as: **\*ROSS\*** or **ROSS\*** to locate citations.
- If you know an Institution's Sea Grant Code (For example, WHOI is 2550) you can limit searches for a specific Institution's Sea Grant Program.



- Not all Sea Grant Publications that are available from the Sea Grant Depository in Rhode Island are in the database yet.
- The Project and Grant Information menus identify Sea Grant proposals, with proposal abstracts and will be a useful tool for PIs when this system is fully operational.

Beateaux reports that the system is NOT intuitive, nor does it have the 'familiarity' one usually experiences while searching online library systems. Terry hopes that ARCHIE or VERONICA will eliminate these problems.

Terry can be reached at: (phone) 301/713-2445 or by email at:

**tselden@ayeaye.orp.noaa.gov**

### INTERNET ACCESS TO USGS LIBRARY CATALOG

The USGS Library catalog can now be searched over the Internet! Three ports on the Library's LS/2000 system are available for TELNET access using the following procedures.

1. Telnet to **library.er.usgs.gov** or **130.11.54.234**
2. At the response Trying ... Connected, hit <return>
3. At the PW prompt, type **GSL** <return> (letters in caps)
4. At the ID prompt, type **LS2K** <return> (letters in caps)
5. At the Terminal: VT/100 prompt, hit <return>
6. The next screen displays the opening menu of the online catalog
7. To exit, type **/EXIT** <return>
8. Control ]

**Cheryl Sund**  
**USGS Library**  
**Denver, CO, USA**  
**csund@greenwood.cr.usgs.gov**

### GOPHER & WWW

#### DEEPSEA & HYDROTHERMAL VENT GOPHER

*Deepsea and Hydrothermal Vent News* now has a gopher menu. Not too much is in it at this point, but in the future both DEEPSEA archives and electronic symposium submissions will be accessible from the GOPHER menu. To examine the DEEPSEA GOPHER menu:

gopher to **gopher.uvic.ca**

and select the following menus (in order):

1. UVic Academic Departments
2. Biology
3. Deep-Sea and Hydrothermal Vent Information

If you wish to post anything on the gopher menu, contact:

Andrew McArthur at **amcarthu@uvvm.uvic.ca**

#### U.S. FISH & WILDLIFE WWW SERVER

The US Fish & Wildlife Service, a bureau within the Department of the Interior has announced the availability of 2 WWW/Mosaic servers.

For the Division of Refuges point your client at:

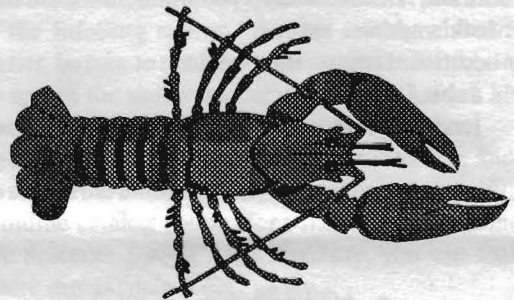
**http://bluegoose.arw.r9.fws.gov/**

For the Division of Law Enforcement, Forensic Lab, point your client at:

**http://ash.lab.r1.fws.gov/**

These have just been brought up, and they would appreciate any comments or suggestions. Email should be sent to:

**clarkj@mail.fws.gov**



#### NEODAT FISH BIODIVERSITY GOPHER

The NEODAT Fish Biodiversity Gopher is now up and running. If you are interested in neotropical fish systematics and biodiversity you should check it out. To access the NEODAT Fish Biodiversity Gopher:

gopher to **fowler.acnatsci.org 70**

If you do not have gopher in your system,

telnet to **consultant.micro.umn.edu**

and login as **gopher**

If you have gopher in your system, you can usually follow the menu through:

- Other Gopher and Information Servers/
- North America/
- USA/
- Pennsylvania/
- Fish Biodiversity Gopher  
(NEODAT Project, ANSP)

Please send questions, comments, and suggestions to the NEODAT Project:

**neodat@say.acnatsci.org**

## NEW LISTSERVERS

### **INTERNATIONAL MARINE ORNITHOLOGISTS' LISTSERV**

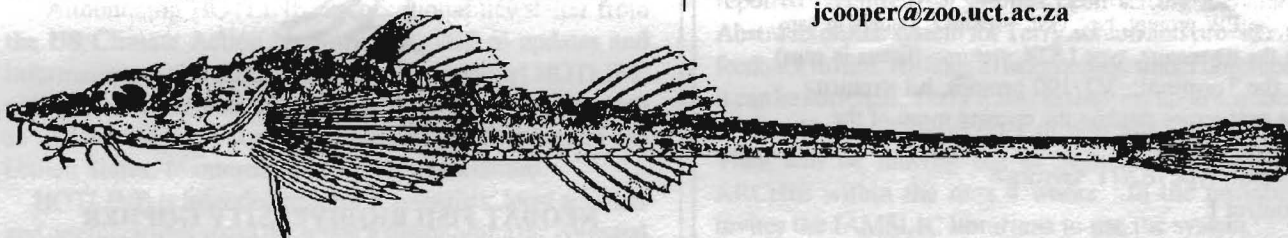
The network has been initiated to help marine ornithologists exchange information and keep in contact on a worldwide basis. Examples of its use are requests for and offers of information, ideas, data and collected material (such as skeletal and soft-tissue samples), advertising employment, bursary, fellowship and volunteer opportunities, notices of meetings, availability of written materials (e.g. expedition reports, books, proceedings, reprints), etc. All e-mail messages sent out on the network by members will automatically be sent to all other members.

To join the network send to **seabird@zoo.uct.ac.za**, and enter **SUBSCRIBE SEABIRD** into the SUBJECT FIELD. In the body of the email letter your full name and postal, telephonic and fax addresses as you would like them listed in the network's address list.

For additional information contact:

**John Cooper**

**jcooper@zoo.uct.ac.za**



### **PHYCOTOXINS & TOXIC PHYTOPLANKTON LISTSERV**

For any who are interested a new list directed at those interested in phycotoxins, and toxic marine phytoplankton, has been created at the Bedford Institute of Oceanography in Dartmouth, NS. To get on the list send an untitled message to:

**majordomo@biome.bio.ns.ca**

and enter the following line in the body of the message:

**subscribe phycotoxins**

### **ANTARCTIC LISTSERVER**

A new listserver for participants in the South African National Antarctic Programme. The SANAP Listserver has been initiated to help scientists and others involved within SANAP to exchange information and to keep in contact.

The SANAP Listserver can also be used for employment advertisements, notices of meetings, reporting on published and unpublished documents of relevance, and perhaps most importantly, as a forum for the free exchange of ideas on where South African Antarctic science is, and should be, heading. Controversial opinions, as long as they are not intemperate, will be welcome. All e-mail messages sent out on the listserver by members will automatically be sent to all other members. Membership is open to all on a global basis.

To join the listserver send to **sanap@zoo.uct.ac.za**. In the SUBJECT FIELD of an email letter enter **SUBSCRIBE SANAP**, and in the body of the email letter your full name and postal, telephonic and fax addresses as you would like them listed in the listserver's address list. Leaving these out will mean that you will appear in the address list under your e-mail address only. If you so desire you may also list your research interests as well for inclusion with the address list.

Enquires may be sent directly to John Cooper at:

**jcooper@zoo.uct.ac.za**

### **FISH-ECOLOGY LISTSERVER**

FISH-ECOLOGY is an international computer conference for academic personnel & students involved in empirical and theoretical issues related to fish- and fisheries ecology. These include evolutionary aspects, population dynamics, modelling, management, conservation, bioeconomics, related software & hardware, reviews, and symposium announcements.

The list aims to connect senior and junior researchers and students on an international and multidisciplinary basis, to exchange views, data and put forward new ideas to approach fisheries ecological issues. Membership is open to all interested parties; however, commercial announcements are not desired.

To subscribe, send a message to the listserver:

**majordomo@biome.bio.ns.ca**

with the command line (in message body):

**SUBSCRIBE FISH-ECOLOGY**

Contributions to the listserv can be sent to:

**fish-ecology@biome.bio.ns.ca**



## PUBLICATIONS & REVIEWS

### CURRENT ANTARCTIC LITERATURE

A monthly Antarctic bibliography, *Current Antarctic Literature*, (to be compiled every 18 months into the non-gratis Antarctic Bibliography). Brief abstracts are provided for each title and titles are grouped according to discipline (e.g. biological sciences). Authors' addresses are not included. It is available free to "qualified individuals or institutions" from:

Guy G. Gutheridge, Polar Information Service  
Office of Polar Programs  
National Science Foundation  
Washington DC, 20550, USA.

### BIBLIOGRAPHIC DATABASE SOFTWARE

Rubin Rabinovitz reviews bibliographic database software for DOS microcomputers in *PC Magazine* ["Bibliographic Software, Point of Reference", 12(17):269-283, 12 October 1993]. EndNote Plus, Library Master, Papyrus for DOS, Pro-Cite, Reference Manager for DOS, and Reference Manager for Windows are reviewed. Rabinovitz is an English professor at the University of Colorado, Boulder so his academic perspective is particularly valuable. Rabinovitz concludes that no one program is the leader and that each software has unique strengths and weaknesses. Choosing the "best" software depends on one's needs; enough information is given to assist in that decision (along with review articles cited in previous IAMS LIC Newsletters).

### INDIAN OCEAN BOOK DEALER

An interesting book dealer catalog is available that will be of interest to many IAMS LIC members. Larry W. Bowman, Bookseller is distributing for free Catalogue Number 1, entitled *Indian Ocean and Littoral*. Bowman is selling books on countries in the Indian Ocean region and particularly on the islands; he is accepting want lists from people seeking specific titles. Bowman is also interested in purchasing books on the Indian Ocean region. Larry W. Bowman Bookseller can be reached at email: bowman@uconnvm.uconn.edu; fax: 03/486-3347; telephone: 203/486-3355; address: 458 Middle Turnpike, Storrs CT 06268 USA.

### FREE BOOK ON GASTRULATION

While supplies last, copies of *Gastrulation: movements, patterns, and molecules* are available free to IAMS LIC libraries:

Keller, Ray, Wallis H. Clark Jr., and Frederick Griffin.  
Editors. *Gastrulation: movements, patterns, and molecules*. NY: Plenum, 1991. ISBN 0-306-44109-8.  
This is the Bodega Marine Science Series v.3 workshop held at Bodega Marine Laboratory Sept 6-8, 1990. (Retail price is \$90).

Contents include 19 chapters covering gastrulation and associated events in birds (including chick), amphibians, mammals, *Xenopus*, *Fundulus*, *Drosophila*, *Styela*, ascidians, sea urchins. If you'd like a copy, please supply your correct mailing address and contact:

Eleanor S. Uhlinger  
Bodega Marine Laboratory Library  
University of California, Davis  
PO Box 247 Bodega Bay, CA 94923-0247 USA  
Tel: 707-875-2015; Fax: 707-875-2089  
email: esuhlinger@ucdavis.edu

### ARCTIC INFORMATION AND DATA

Copies of *Arctic Information and Data: A Guide to Selected Resources*, a guide to U.S. Arctic information and data resources are available on request. The 50-page booklet, prepared by the Data and Information Resources Working group of the Arctic Research Consortium of the United States (ARCUS) in September 1992, provides brief descriptions and contact information for selected U.S. information and data resources (for example, libraries, data centers, university departments, journals, conferences, indices and other published reference materials, and U.S. Federal agency offices) that pertain to the Arctic.

The document is intended for teachers, undergraduates and beginning graduate students, librarians and other information specialists, and the lay public with a general interest in the Arctic. Researchers will also find it useful for locating information peripheral to their own specialties. To request a copy of the guide, supply your mailing address to:

User Services  
NSIDC (National Snow and Ice Data Center)  
University of Colorado  
Boulder, CO 80309-0449 USA  
Tel: 303-492-5171; Fax: 303-492-2468  
Omnet: NSIDC  
Internet: nsidc@kryos.colorado.edu

Or contact Martha Andrews at:  
andrews-m@cubldr.colorado.edu

## DIRECTORY OF ACADEMIC MARINE PROGRAMS IN CALIFORNIA

*Directory of Academic Marine Programs in California: A Guide to Programs in the Marine Sciences at California Colleges and Universities.* 3rd edition, 1993, is now available from:

**California Sea Grant College Program  
9500 Gilman Drive  
University of California, San Diego  
La Jolla, California 92093-0232**

Please send a check or money order for \$5.00 US payable to "UC Regents."

## FILE COMPRESSION FORMATS ON INTERNET

Files and software located by Archie (a file finding service on the Internet) and obtained by FTP (file transfer protocol on the Internet) are frequently in a compressed format to save disk space and transfer time. Compressed files come in a variety of formats for DOS, Macintosh, and Unix systems. Erik Delfino discusses "The Internet Toolkit: File compression and Archive Utilities" in *Online* 17(6):90-92, November 1993. In the same issue on pp60-65, Curtis Simmonds discusses "Painless File Extraction: The A(rc)-Z(oo) of Internet Archive Formats".

## POLYCHAETE NEWSLETTER

Announcing "CHAETOZONE", a new e-mail newsletter for polychaete research. CHAETOZONE (Polychaete Research News) subscription enquiries should be sent to

**read\_g@kosmos.wcc.govt.nz**

CHAETOZONE will be a 2-monthly (approx) electronic publication, beginning late January, and will contain news items, discussion, new literature, etc, related to any aspect of Polychaeta biology, ecology, and taxonomy. CHAETOZONE will be a human-operated mail-list NEWSLETTER, \*NOT\* a listserver mail reflector. Currently there is no internet discussion forum or free e-newsletter related to polychaetes, yet they are one of the "big three" marine invertebrate groups. CHAETOZONE aims to facilitate rapid communication amongst all polychaetologists with e-mail access. For further subscriber information send a note to:

**Dr. Geoff Read  
read\_g@kosmos.wcc.govt.nz  
Wellington, New Zealand**

## CD-ROM DRIVES REVIEWED

John Quain et al review "CD-ROM Drives, Going Mainstream" in *PC Magazine* 13(4) 110-154, 22 February 1994. 26 CD-ROM drives were evaluated and top picks were (1) Pioneer DRM-604X for high-performance and/or multidisc, (2) Chinon CDS-535 and Plextor DM-3028 DoubleSpeed PLUS for general-purpose use with SCSI interface, and (3) Sony CDU-33A for general-purpose use with proprietary interface. The cost-conscious should note that the Sony CDU-33A CD-ROM drive can be available for approx US \$220. Times have certainly changed since the days of Pioneer CM-100 CD-ROM players.

## GOPHER YOUR LIBRARY

"Gopher your library" by Karl Bridges *Wilson Library Bulletin* 68(3):36-38, November 1993] offers a very readable overview of the Gopher technology for accessing textual files and computer hosts on the Internet. Bridges' article clearly describes Gopher client/server information systems and is oriented to what a Macintosh user will see in using a gopher client software.

## NAL AQUACULTURE PUBLICATIONS

For your information the following products are still available from the Aquaculture Information Center if you do not have them in your collection:

- *Recirculation - Aeration Bibliography for Aquaculture*, BLA Number 124, August 1993, 78 pp.
- *Aquaculture II CD-ROM and documentation packet*, November 1992, 154 Reference publications, page images, and full text on CD-ROM.
- *Federal Regulation of Drugs, Biologicals, and Chemicals Used in Aquaculture Production*, September 1992, 123 pp.
- *National Profile of Information Services in Aquaculture*, April 1992, 100+ pp.
- *The Status and Potential of Aquaculture in the United States: An Overview and Bibliography*, July 1993, 15 pp.

To request a copy of any of the preceeding titles, please include a self-addressed label. Send your request to:

**Aquaculture Information Center  
National Agricultural Library, Room 304,  
ATTN: Bibliographies Beltsville, MD 20705-2351**



## GETTING CONNECTED TO THE INTERNET

A useful and readable book entitled *Connecting to the Internet*, An O'Reilly Buyer's Guide has been published. Authored by Susan Estrada and published by O'Reilly & Associates (103 Morris St, Suite A, Sebastopol CA 95472). The book has chapters on the following: How the Internet works; Understanding network performance; How will you use the Internet; Choosing your network provider; Selecting dialup connections; and, Selecting dedicated line connections. Appendices list public dialup Internet access providers and Internet service providers for dedicated lines. Both lists are worldwide in scope.

## INTERNET GUIDEBOOKS

"Roadmaps to the Internet: Finding the Best Guidebook for Your Needs" by Joan Tuss in *Online* 18(1):14-26, January 1994 reviews the numerous Internet books available at the time of review. Tuss makes specific recommendations depending on one's needs.

## NAL WATER QUALITY BIBLIOGRAPHY

The Water Quality Information Center at the National Agricultural Library (an agency of the U.S. Department of Agriculture) has available a bibliography containing 133 citations from the AGRICOLA database and is available without charge.

To order a copy of "*Bioassessment of Water Resources*," send an e-mail request to:

**wqic@nalusda.gov**

In the request, include your name and postal address.

## CREATING BIBLIOGRAPHIES FROM INTERNET-ACCESSIBLE CATALOGS

Christopher C Brown writes about "Creating Automated Bibliographies Using Internet-Accessible Online Library Catalogs" in *Database* 17(1):67-71, February 1994. Brown discusses Internet-accessible online library catalogs that are useful in conjunction with creating bibliographies using EndNote bibliographic database software. Though the article is focused on EndNote software, Brown notes that the principles are transferable to other bibliographic database software.

## NOTICES & REQUESTS

### FUNDING FOR U.S. INTERNET CONNECTIONS

The Telecommunications and Information Infrastructure Assistance Program (TIIAP) is a funding program that may be of interest to institutions looking for funds for direct Internet connections. This is available through the National Telecommunications and Information Administration of the U.S. Department of Commerce. The National Telecommunications and Information Administration (NTIA) announces the availability of funds for planning and demonstration projects to promote the goals of development and widespread availability of advanced telecommunications technologies; to enhance the delivery of social services and generally serve the public interest; to promote access to government information and increase civic participation; and to support the advancement of an advanced nationwide tele-communications and information infrastructure.

Applications for the TIIAP must be mailed or hand-carried to the address indicated below and received by NTIA on or before 5:00 P.M., May 12, 1994. NTIA anticipates that it will take between three to four months to process all applications and make final funding determinations:

Office of Telecommunications and Information  
Applications  
Department of Commerce  
National Telecommunications and Information  
Administration  
14th Street and Constitution Avenue, NW  
Room H-4889  
Washington, DC 20230.

FOR FURTHER INFORMATION CONTACT: Dr. Charles M. Rush, Acting Director of the Office of Telecommunications and Information Applications.  
Telephone: (202) 482-2048; fax: (202) 482-2156.  
E-mail: [tiiaap@ntia.doc.gov](mailto:tiiaap@ntia.doc.gov)

Information on the program may also be downloaded from the NTIA Bulletin Board. Modem should be set at either 2400 or 9600 baud, 8 data bits, 1 stop bit: (202) 482-1199.

For details of the NII initiative, see *The National Information Infrastructure: Agenda for Action*, 58 Fed. Reg. 49,025 (September 21, 1993). This document is available on Internet, in ASCII format through both FTP and Gopher. The FTP file name is "niiagenda.asc." Address: "[ftp.ntia.doc.gov](ftp://ftp.ntia.doc.gov)." Login as "anonymous." Use your e-mail address or guest as the password. Change directory to "pub." The Gopher address is "[gopher.nist.gov](gopher://gopher.nist.gov)." Login as "gopher." Choose the menu item "DOC Documents." Choose "ntiaagenda.asc."

**FDA SEAFOOD HOTLINE**

FDA's Seafood Hotline, 1-800-FDA-4010, was recently listed in Chemical and Engineering News. The hotline aims to minimize consumers' concern about the safety and quality of seafood. Operators will answer questions about buying, storing, handling, and labeling of seafood as well as questions about nutritional characteristics.

**INTERNATIONAL AQUATIC COOKBOOK**

Kathy Heil, Aquatic Science Librarian at the Chesapeake Biological Lab, would like to hear from the membership about the idea of an "International Aquatic Cookbook". Any type of recipe hor'dorve, salad, main course, dessert - would really like to keep the whole theme aquatic, along the lines of seafood salad, rice pudding, cranberry pie, goose, fish, oysters, seaweed. With our diverse membership we hope that everyone would have a few favorite recipes to share.

This would be a fund raiser for the Guin Fund. Please respond to Kathy at:

Kathy Heil, Aquatic Sciences Librarian  
U. of Maryland, CEES Chesapeake Biol. Lab  
Solomons, Md  
(410)326-7287  
heil@cbl.umd.edu

**SUBTIDAL ENCOUNTERS**

Personal encounters with poisonous marine organisms sought for National Geographic television special. If you've had a personal encounter with a poisonous marine organism, Sea Studios would like to know about it. Sea Studios is starting production on POISONS, a National Geographic Explorer Special about poisonous marine creatures. We are collecting first-hand experiences with cone snails, sea snakes, blue-ringed octopus, sea wasps, hell's fire anemone, stone fish, lion fish, ciguatera, red tide, and other poisonous organisms.

If you have any questions about Sea Studios, would like to preview our work, or want to receive further information about Sea Studios' production services, stock footage, and home videos, please contact:

Michael D. DeLapa  
Sea Studios  
810 Cannery Row  
Monterey, California 93940  
Tel: 408-648-5152, Fax: 408-649-1380  
CompuServe: 73052,1020

**Next IAMSLIC Newsletter  
Deadline  
Friday, June 10, 1994**



## OLYMPIC COAST NATIONAL MARINE SANCTUARY

The National Oceanic and Atmospheric Administration is pleased to introduce the marine science community to the new Olympic Coast National Marine Sanctuary. The new Sanctuary, located offshore of the northern half of Washington State's Olympic Peninsula, is the latest addition to National Marine Sanctuary System. The new Sanctuary will be managed by the as part of NOAA's stewardship responsibilities for the Nation's coastal and marine environment and will be the first Sanctuary in the Pacific Northwest. Ten years in the making, the final procedural formalities are now underway and formal designation of the Sanctuary is expected to be announced early in 1994.

The new Olympic Coast Sanctuary stretches 135 miles along a picture book stretch of pristine rugged coastline, from Cape Flattery, the North westernmost point in the lower 48 States, to a point more than halfway down the Washington coast. Much of this coastline is accessible only by boat and is a national treasure of remarkable beauty. The Sanctuary extends out into coastal waters to the 100 meter depth mark and will cover over 2,500 square nautical miles, an area more than twice the size of Yosemite National Park.

The new Sanctuary is fringed by one of the very last relatively undeveloped and pristine coastlines in the United States. The entire Sanctuary area is teeming with life, and is important to the continued survival of several ecologically and commercially important species including fish, birds, over 20 species of marine mammals. California Gray Whales are commonly found within the Sanctuary boundaries. Northern Sea Otters which were hunted to extinction along the Washington Coast because of their thick and luxurious fur, have, in recent years, been successfully reintroduced into the area from Alaska. There is now a confirmed local population of over 300 animals living in Sanctuary waters. Five species of salmon migrate through the Sanctuary, concentrating in the prime feeding grounds over the offshore Juan De Fuca Canyon. Sanctuary waters are also home to steelhead and sea-run cutthroat trout, halibut, flounder and one of the most diverse inter-tidal eco-zones in the world. The diversity and richness of marine life in the area also provide a major resource for migratory bird species that stop in the area and the offshore islands support one of the largest concentrations of nesting seabird colonies in the lower 48 States. It is not uncommon to see tens of thousands of seabirds feeding in Sanctuary waters.

The area is home to four Native American tribes with roots in the region going back over 2,000 years. A major archeological excavation associated with the Ozette tribe is considered to be one of the most significant archeological finds in North America. Local tribal cultures have strong ties to the coastal waters including a long tradition of subsistence fishing in the area. The New Sanctuary regulations will prohibit all seabed mining and oil and gas exploration and development within the Sanctuary boundaries as well the discharge of any materials into the water (except fish or bait,

biodegradable effluent incidental to vessel use, engine exhaust, or dredged materials related to beach restoration activities).

Discharges will also be prohibited outside the Sanctuary boundaries that subsequently drift into the Sanctuary and injure Sanctuary resources. All historical resources will be protected and the taking of any marine mammal, sea turtle, or seabird on (or above) Sanctuary waters will be prohibited. Air traffic will also be restricted below 2,000 feet within one mile seaward of both the Sanctuary's coastal boundary and the offshore wildlife refuges.

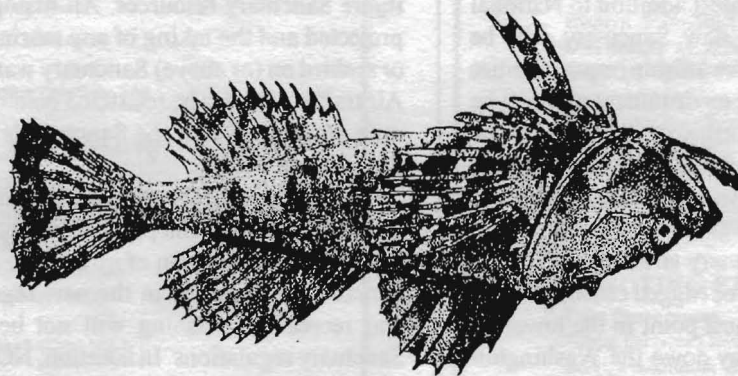
Sanctuary designation will also mark final victory in a long local battle to end practice bombing by the Navy of Sea Lion Rock. Prohibition of all bombing activities within the Sanctuary is included in the new regulations. Commercial and recreational fishing will not be within the scope of Sanctuary regulations. In addition, NOAA has been working with the US Coast Guard to address threats to Sanctuary resources from the heavy vessel traffic through the area.

The new Federal regulations complement and extend (but do not duplicate) protection afforded to the area by the Olympic National Park and a series of existing offshore wildlife refuges, wilderness areas, biosphere reserves, tribal wilderness areas, state beaches and county and state parks. The National Marine Sanctuary program in the area will extend the area's protection into the coastal waters and will be able to address significant questions concerning the interaction of resources and uses within the Sanctuary area and linkages between terrestrial and marine ecosystems. The program will also have an opportunity to bring together the wide range of research being done in the area and apply this to practical management planning for the environment. Work towards designation of this Sanctuary has been underway for over 10 years and has been the vision of a broad coalition of local, state and national activists. Washington Governor Mike Lowry has been one of the Sanctuary's principal supporters. In fact, he sponsored the initial legislation to create the Sanctuary while he was a member of Washington congressional delegation in 1983. Planning for a major regional celebration of the Sanctuary designation is underway and will take place some time in early summer of 1994.

The Olympic Coast National Marine Sanctuary is the latest addition to a string of 13 National Marine Sanctuaries, located in coastal waters throughout the Nation, that protect marine areas with nationally significant environmental, cultural, historical, or research value. These Sanctuaries include the Florida Keys, the Stellwagen Banks in Massachusetts, the Monterey Bay Sanctuary in California, and ten others.

For an information packet about the new Olympic Coast National Marine Sanctuary, dedication festivities this summer, and the National Marine Sanctuary System reply on OMNET to EHurwitz or write to NOAA, 1305 East-West Highway, Room 13517 Silver Spring MD 20910.

International Association of Aquatic and Marine Science Libraries and Information Centers



c/o Richard Eissinger  
Texas A&M University  
Sterling C. Evans Library  
College Station, Texas  
77843-5000 U.S.A.

FIRST CLASS MAIL

International Association of Aquatic and Marine Science Libraries and Information Centers